

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	422	(417/271).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/21 11:52
L3	0	I1 and pump\$3 near system and motor and driv\$3 and overload\$3 and control\$3 and power and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/21 11:54
L4	179	(417/237).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/21 11:54
L5	0	I4 and pump\$3 near system and motor and driv\$3 and overload\$3 and control\$3 and power and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/21 11:55
L6	61	(477/177).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/21 11:55
L7	0	I6 and pump\$3 near system and motor and driv\$3 and overload\$3 and control\$3 and power and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/21 11:55
L8	3	I1 and pump\$3 near motor and driv\$3 and overload\$3 and control \$3 and power and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/21 11:56

L9	1	I4 and pump\$3 near motor and driv\$3 and overload\$3 and control \$3 and power and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/21 11:56
L10	86	(700/256).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/21 11:57
L11	0	I10 and pump\$3 near motor and driv\$3 and overload\$3 and control \$3 and power and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/21 11:57
L12	42	(477/157).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/21 11:57
L13	0	I12 and pump\$3 near motor and driv\$3 and overload\$3 and control \$3 and power and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/21 11:57
L14	154	(318/117).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/09/21 11:59
L15	0	I14 and pump\$3 near motor and driv\$3 and overload\$3 and control \$3 and power and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/21 11:59
S1	2404	pump and motor and driv\$3 and voltage and overload and load	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/19 16:31

S2	76	S1 and transient\$1 and limit\$3 and threshold and monitor\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/19 16:32
S3	2	("5718565").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/19 16:35
S4	2	("6244825").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/19 16:35
S5	10	("4242625"   "4511312"   "4820317"   "4864287"   "5209110"   "5226800"   "5582017"   "5646499").PN. OR ("6244825").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/19 16:36
S6	11	("20050183868"   "3593103"   "5324170"   "5504693"   "5941305"   "6041856"   "6244825"   "6313600"   "6686718").PN. OR ("7330779").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/19 16:42
S7	225	pump and motor and driv\$3 and current near limit\$3 and gain and overload and load	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/22 10:44
S8	234	pump and motor and driv\$3 and current near limit\$3 and gain and overload	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/22 10:44
S9	26	S8 and time adj constant and temperature and torque and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/22 10:45

S10	21	S8 and time adj constant and thermal and torque and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/22 10:45
S11	34	S8 and time adj constant and torque and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/22 10:45
S12	29	S8 and time adj constant and thermal and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/22 10:55
S13	49	pump and motor and driv\$3 and current near limit\$3 and gain and vacuum and chamber and wafer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/22 11:01
S14	20	S13 and temperature and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/22 11:02
S15	21	S13 and thermal and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/22 11:02
S17	0	S13 and overload and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/22 11:04
S18	0	S13 and over adj load and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/22 11:05

S19	5	S13 and transient\$1 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/22 11:05
S20	6282296	temperature or thermal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/22 11:07
S21	77	pump\$3 and motor and driv\$3 and current and power and limit\$3 and gain and over adj load	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/22 11:07
S22	65	S20 and S21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/22 11:07
S23	42	S20 and S21 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/22 11:08
S24	3	pump\$3 and motor and driv\$3 and current near limit\$3 and gain near control\$3 and over adj load and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/22 11:15
S25	50	pump\$3 and motor and driv\$3 and current near limit\$3 and gain near control\$3 and transient\$1 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/22 11:17
S26	34	S25 and temperature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/22 11:19
S27	27	("4246788"   "4384825").PN. OR ("4527953").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/22 11:24

S29	25	pump\$3 and motor and driv\$3 and time adj constant and current and temperature and over adj load and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/22 11:35
S30	914	(318/565).COLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/23 14:40
S31	0	S30 and pump\$3 near vacuum and motor and driv\$3 and current near limit\$3 and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 14:41
S32	0	S30 and pump\$3 near vacuum and motor and driv\$3 and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 14:42
S33	167	(318/623).COLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/23 14:42
S34	0	S33 and pump\$3 near vacuum and motor and driv\$3 and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 14:43
S35	262	(318/628).COLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/23 14:43
S36	0	S35 and pump\$3 near vacuum and motor and driv\$3 and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 14:43

S37	286	(318/641).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/23 14:43
S38	0	S37 and pump\$3 near vacuum and motor and temperature and driv \$3 and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 14:43
S39	326	(318/650).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/23 14:44
S40	0	S39 and pump\$3 near vacuum and motor and temperature and driv \$3 and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 14:44
S41	110	(318/644).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/23 14:44
S42	0	S41 and pump\$3 near vacuum and motor and temperature and driv \$3 and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 14:44
S43	210	(318/645).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/23 14:44
S44	0	S43 and pump\$3 near vacuum and motor and temperature and driv \$3 and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 14:45

S45	175	(318/400.22).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/23 14:46
S46	0	S45 and pump\$3 near vacuum and motor and temperature and driv \$3 and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 14:46
S47	0	S45 and pump\$3 and motor and temperature and driv\$3 and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 14:46
S48	36	(318/708).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/23 14:47
S49	0	S48 and pump\$3 and motor and temperature and driv\$3 and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 14:47
S50	895	(318/727).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/23 14:47
S51	0	S50 and pump\$3 and motor and temperature and driv\$3 and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 14:47
S52	0	S50 and pump\$3 and motor and driv\$3 and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 14:48

S53	0	S50 and pump\$3 near motor and driv\$3 and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 14:48
S54	330	(417/1).CCL.S.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/23 14:50
S55	0	S54 and pump\$3 near motor and driv\$3 and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 14:50
S56	582	(417/32).CCL.S.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/23 14:51
S57	1	S56 and pump\$3 and motor and driv\$3 and temperature and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 14:51
S58	177	(417/237).CCL.S.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/23 14:53
S59	0	S58 and pump\$3 and motor and driv\$3 and temperature and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 14:53
S60	192	(417/274).CCL.S.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/23 14:58

S61	0	S60 and pump\$3 and motor and driv\$3 and temperature and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 14:58
S62	212	(417/278).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/23 14:59
S63	0	S62 and pump\$3 and motor and driv\$3 and temperature and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 14:59
S64	463	(417/279).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/23 14:59
S65	0	S64 and pump\$3 and motor and driv\$3 and temperature and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 14:59
S66	80	(417/324).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/23 15:00
S67	0	S66 and pump\$3 and motor and driv\$3 and temperature and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 15:00
S68	42	vacuum near pump\$3 and motor and driv\$3 and temperature and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 15:01

S69	24	vacuum near pump\$3 and power and speed and motor and driv\$3 and temperature and over adj load\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 15:01
S70	4356	vacuum near pump\$3 and power and speed and motor and driv\$3 and temperature and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 15:02
S71	64	S70 and gain near control\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/23 15:02
S72	149	pump and motor and driv\$3 and overload\$3 and gradual\$2 and temperature and overheat\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/20 11:22
S73	4350026	predetermin\$3 or preset near value\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/20 11:23
S74	125	S72 and S73	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/20 11:23
S75	28	pump\$3 near system and motor near temperature and driv \$3 and overload\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/20 12:22
S76	22	pump\$3 near system and motor and high near temperature and driv\$3 and overload\$3 near condition and predetermin\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/20 12:42

S77	11	pump\$3 near system and motor and thermal near protect\$3 and driv\$3 and overload\$3 and power and predetermin\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/20 12:56
S78	440	pump\$3 near system and motor and driv\$3 and overload\$3 and power and exceed\$3 and control\$3 and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/20 13:04
S79	38	pump\$3 near system and motor and driv\$3 and overload\$3 and power and exceed\$3 and control\$3 and decreas\$3 near speed and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/20 13:04
S80	1	pump\$3 near system and motor and driv\$3 and overload\$3 and transient near condition\$1 and exceed\$3 and control\$3 and decreas\$3 near speed and @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/20 14:22

### EAST Search History (Interference)

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